



Docket No. 600-1-192N2

1636
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Nathaniel Heintz et al. Examiner: Gerald G. Leffers, Jr.

Serial No.: 09/619,364 Group Unit: 1636

Filed: July 19, 2000

For: METHODS OF PERFORMING HOMOLOGOUS RECOMBINATION
BASED MODIFICATION OF NUCLEIC ACIDS IN
RECOMBINATION DEFICIENT CELLS AND USE OF THE
MODIFIED NUCLEIC ACID PRODUCTS THEREOF

CERTIFICATE OF MAILING UNDER 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231 on February 6, 2003.

Veronica Mallon, Ph.D.
(Name of Person Depositing Mail)

Veronica Mallon 2/6/03
(Signature and Date)

AMENDMENT AND RESPONSE

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, DC 20231

Dear Sir:

The following remarks are responsive to an Office Action mailed November 6, 2002, due for a response by February 6, 2003.

Please amend the application as follows.

IN THE CLAIMS:

Please cancel claim 19 without prejudice.

Please add new claim number 48 as follows:

48. (New) The method of claim 16, wherein said BBPAC is modified after resolution to result in nucleic acids insertion, and/or nucleic acids deletions, and/or point mutations on the BBPAC.